

## Title (en)

Prolonged release preparation and polymers thereof.

## Title (de)

Zusammensetzung zur verlängerter Freigabe und Polymere dafür.

## Title (fr)

Préparation à libération prolongée et polymères pour cette préparation.

## Publication

**EP 0481732 A1 19920422 (EN)**

## Application

**EP 91309490 A 19911015**

## Priority

- JP 27803790 A 19901016
- JP 21704591 A 19910828

## Abstract (en)

1. A polymer for a prolonged release preparation which comprises (A) a polylactic acid and (B) a copolymer of glycolic acid and a hydroxycarboxylic acid of general formula <CHEM> wherein R stands for an alkyl group having 2 to 8 carbons, and wherein the weight ratio of (A) and (B) is in the range of 10/90 to 90/10. The drug is released at a constant rate from the preparation over the total release period without a large burst at the initial stage. Furthermore, the drug release period of the preparation can be freely controlled by varying the blending ratio of (A) and (B).

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## IPC 8 full level

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## C-Set (source: EP US)

**C08L 67/04 + C08L 67/04**

## Citation (search report)

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- [A] EP 0190833 A2 19860813 - TAKEDA CHEMICAL INDUSTRIES LTD [JP]
- [A] EP 0263490 A2 19880413 - CHUGAI PHARMACEUTICAL CO LTD [JP]
- [A] EP 0052510 B1 19860827
- [A] US 4622244 A 19861111 - LAPKA GALEN G [US], et al
- [AD] CHEMICAL ABSTRACTS, vol. 114, no. 6, 11 February 1991, Columbus, Ohio, US; abstract no. 49615R, ASANO M. ET AL: 'Hydroxycarboxylic acid copolymers as biodegradable sustained-release bases' page 428 ;column 1 ; & JP02212436 (Japan Atomic Energy Research Institute) EP 91309490030

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